

WHA YU INDUSTRIAL CO., LTD. (HEAD OFFICE)  
TAI HWA ELECTRONIC CO., LTD.(CHINA)  
SHANGHAI HUA YU ELECTRONIC CO., LTD.(CHINA)  
AEON TECH CO., LTD. (CHINA)

## SPECIFICATION FOR APPROVAL

**CUSTOMER:** *Fire tide*

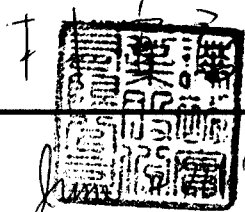
**PART NAME:** *RF Antenna Assembly*

**PART NO.:**

**REVISION:**

**W. Y. P/NO.:** *C812-510010-A*

**REV.:** *X1*

|                  | MANUFACTURER<br>SIGNATURE                                                          | CUSTOMER<br>SIGNATURE |
|------------------|------------------------------------------------------------------------------------|-----------------------|
| APPROVED<br>BY : |  |                       |
| DATE :           |                                                                                    |                       |

### WHA YU GROUP

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# RF Antenna Cable Assembly

## Specification

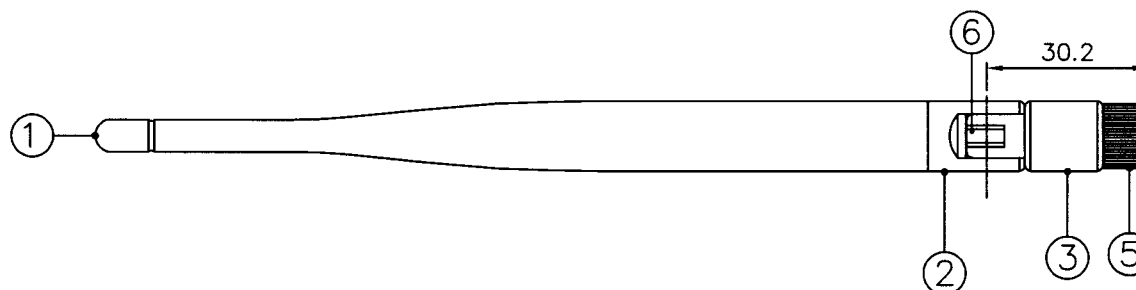
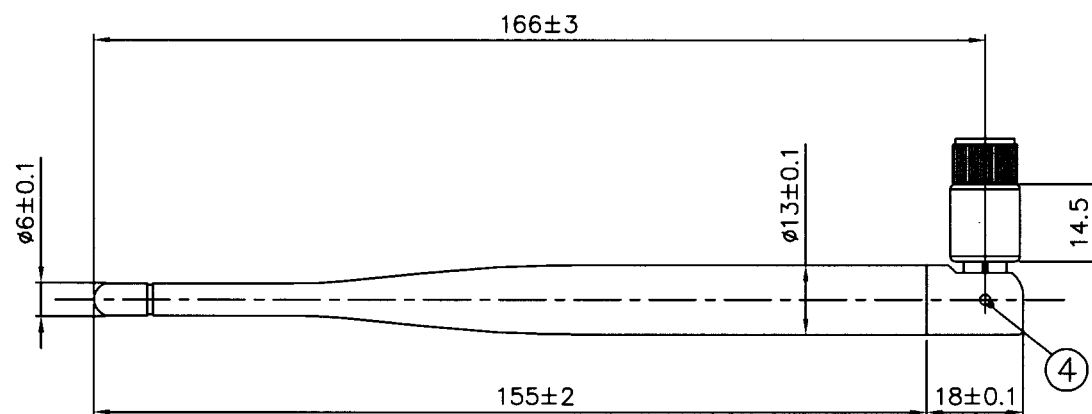
### 1. Electrical Properties :

- 1.1 Frequency Range..... 2.4GHz ~ 2.5GHz
- 1.2 Impedance ..... 50Ω Nominal
- 1.3 VSWR ..... 1.92 Max.
- 1.4 Return Loss..... -10 dB Maximum
- 1.5 Electrical Wave.....  $1/2\lambda$  Dipole
- 1.6 Gain(peak)..... 5dBi
- 1.7 Admitted Power..... 1W

### 2. Physical Properties :

- 2.1 Cable..... RG-178 Coaxial Cable
- 2.2 Antenna Cover..... TPE
- 2.3 Antenna Base..... PC
- 2.4 Antenna Base..... PBT
- 2.5 Operating Temp. .... -20°C ~ +65°C
- 2.6 Storage Temp. .... -30°C ~ +75°C
- 2.7 Color ..... Black
- 2.8 Connector..... SMA Plug Reverse

| REV | DATE      | DESCRIPTION |
|-----|-----------|-------------|
| X1  | 6/24-2005 | New Issue   |



|    |              |                               |     |        |
|----|--------------|-------------------------------|-----|--------|
| 6  | Cable        | RG-178 ; 50 Ω                 | 1   |        |
| 5  | Connector    | Big SMA Straight Plug Reverse | 1   |        |
| 4  | Rivet        | POM ; Color : Black           | 2   |        |
| 3  | Antenna Base | PBT Color : Black             | 1   |        |
| 2  | Antenna Base | PC Color : Black              | 1   |        |
| 1  | Antenna Body | TPE Color : Black             | 1   |        |
| NO | DESCRIPTION  |                               | QTY | REMARK |

Packing : 20 pcs/ Tray

CUSTOMER'S SIGNATURE

|     |        |          |
|-----|--------|----------|
| XX  | ±5     | APPROVED |
| X   | ±1.0   | CHECKED  |
| X   | ±0.1   | DRAWING  |
| XX  | ±0.01  |          |
| XXX | ±0.005 |          |
| 程淑娟 |        |          |

CUSTOMER: Fire tide

PART NO :

PARTNAME: RF Antenna Assembly

W.Y P/NO : C812-510010-A

REV UNIT FILE :

X1 m/m SHEET : 1/1



Wha Yu  
INDUSTRIAL CO.,LTD.

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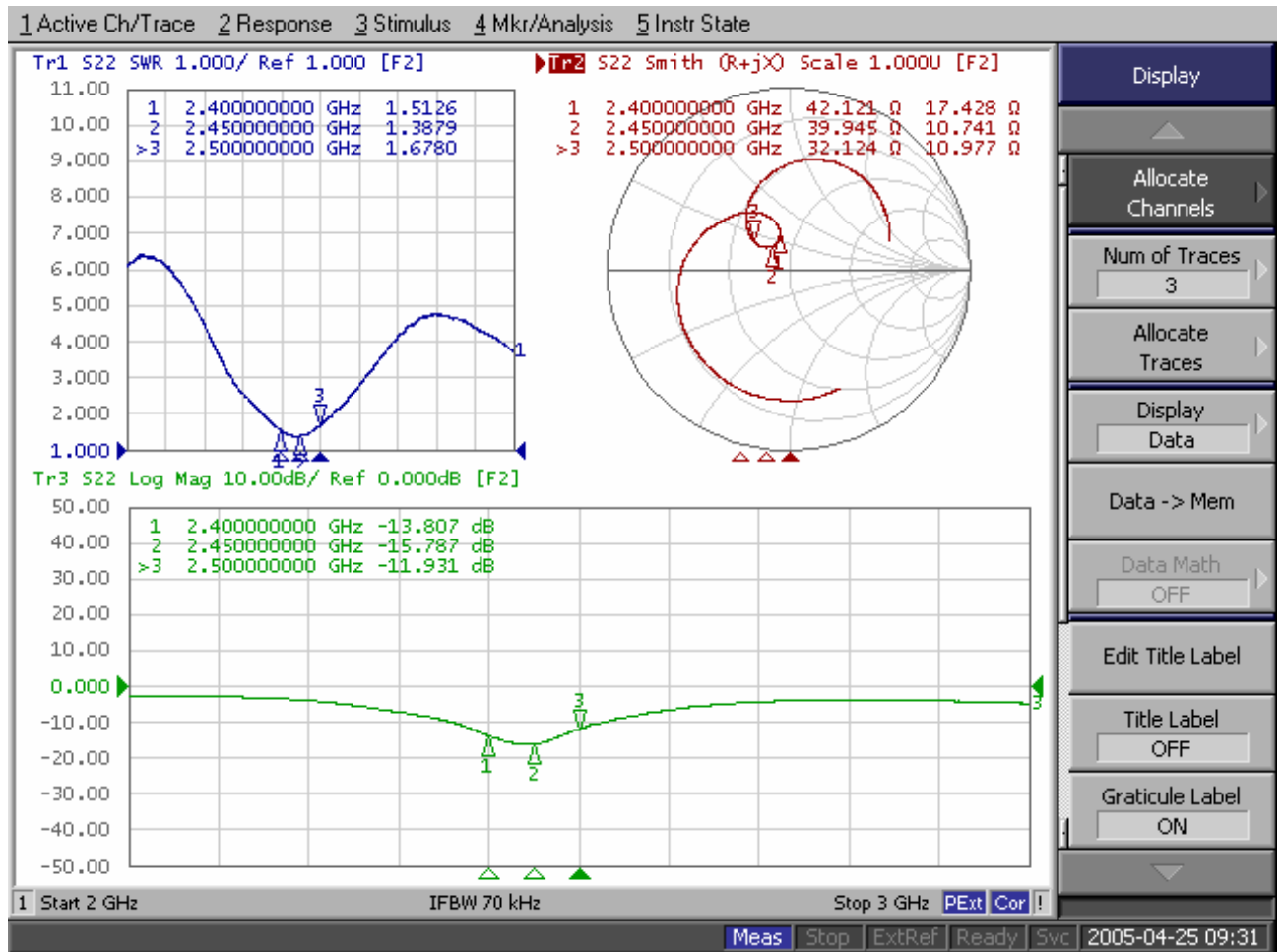
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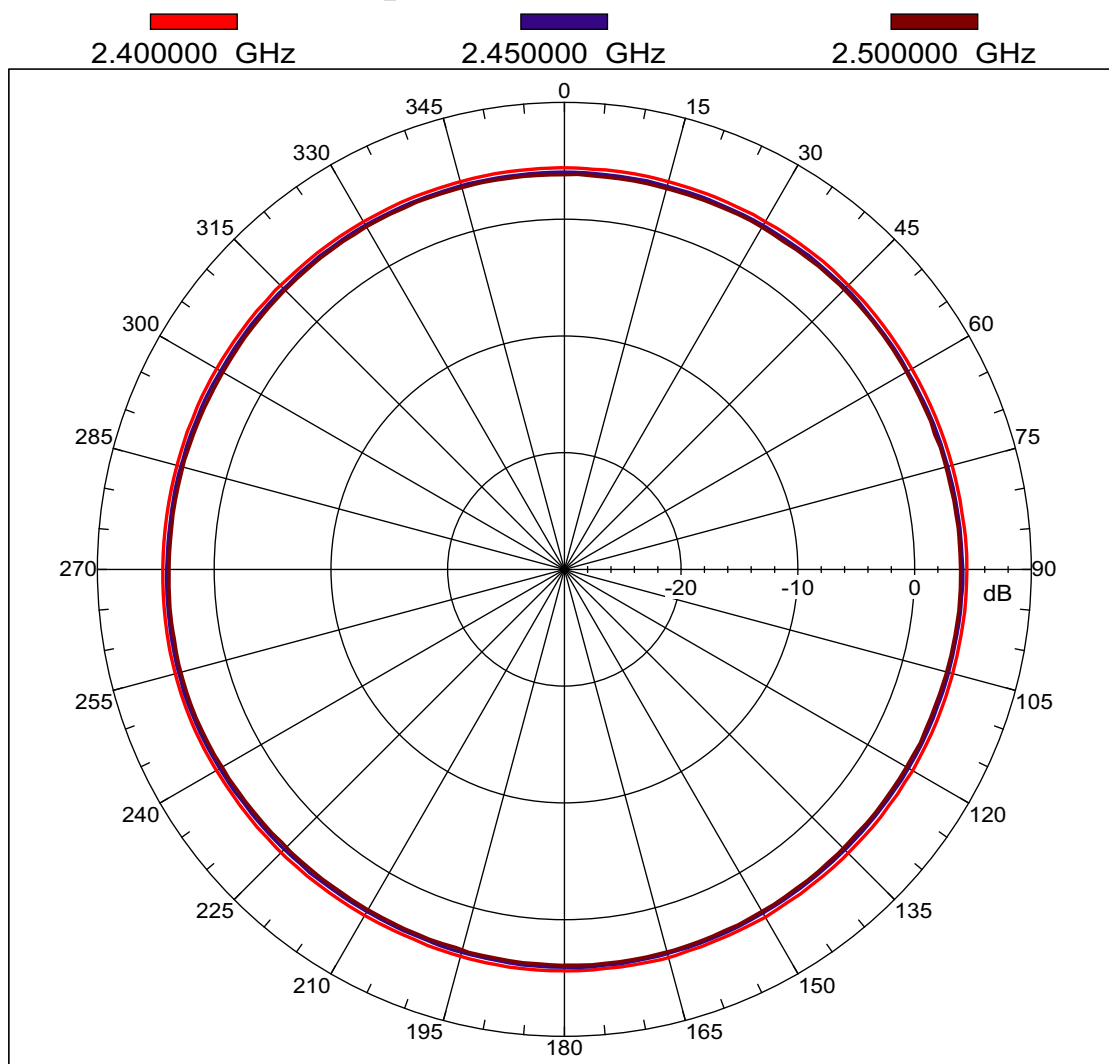
## RF Antenna Assembly

P/NO :C812-510010-A SPEC : 2.4GHz



6/24/2005

# Far-field amplitude of C812-510010-A.nsi



# Far-field amplitude of C812-510010-A.nsi

